CONTENTS

Number 1

C.H.M. Lee, Y.W. Cheng, S. Rai and A. Depickere	1	What affect student cognitive style in the development of hypermedia learning system?
V. Ramasundaram, S. Grunwald, A. Mangeot, N.B. Comerford and C.M. Bliss	21	Development of an environmental virtual field laboratory
M. Volman, E. van Eck, I. Heemskerk and E. Kuiper	35	New technologies, new differences. Gender and ethnic differences in pupils' use of ICT in primary and secondary education
D.H. Goh, R.P. Ang, Y.-L. Theng and E.-P. Lim	57	GeogDL: a web-based approach to geography examination revision
E.D. Espinosa, J. Noguez, B. Benes and A. Bueno	75	POLizied e-Learning using contract management
F.J. González-Castaño, J. García-Reinoso, F. Gil-Castiñeira, E. Costa-Montenegro and J.M. Pousada-Carballo	105	Bluetooth-assisted context-awareness in educational data networks
G.J. Fakas, I. Lamprianou, A. Andreou, M. Pampaka and C. Schizas	123	The evaluation of the Cultural Journeys in the Information Society environment as an educational aid
L.P. Dringus and T. Ellis	141	Using data mining as a strategy for assessing asynchronous discussion forums
	161	Book reviews

Number 2

I. Masiello, R. Ramberg and K. Lonka	171	Attitudes to the application of a Web-based learning system in a microbiology course
Y.-T. Sung, K.-E. Chang, S.-K. Chiou and H.-T. Hou	187	The design and application of a web-based self- and peer-assessment system
J.E. Susskind	203	PowerPoint's power in the classroom: enhancing students' self-efficacy and attitudes

E. Engelbrecht	217	Adapting to changing expectations: Post-graduate students' experience of an e-learning tax program
M. Barak	231	From order to disorder: the role of computer-based electronics projects on fostering of higher-order cognitive skills
S.C. Kong and L.F. Kwok	245	A cognitive tool for teaching the addition/subtraction of common fractions: a model of affordances
	267	Book review

Number 3

M.B. Ligorio and M. Veermans	271	Editorial: Perspectives and patterns in developing and implementing international web-based collaborative learning environments
W. Rubens, B. Emans, T. Leinonen, A.G. Skarmeta and R.-J. Simons	276	Design of web-based collaborative learning environments. Translating the pedagogical learning principles to human computer interface
V. Kollias, N. Mamalougos, X. Vamvakoussi, M. Lakkala and S. Vosniadou	295	Teachers' attitudes to and beliefs about web-based Collaborative Learning Environments in the context of an international implementation
M. Veermans and D. Cesareni	316	The nature of the discourse in web-based Collaborative Learning Environments: Case studies from four different countries
M. Lakkala, J. Lallimo and K. Hakkarainen	337	Teachers' pedagogical designs for technology-supported collective inquiry: A national case study
M.B. Ligorio, A. Talamo and C. Pontecorvo	357	Building intersubjectivity at a distance during the collaborative writing of fairytales
B.B. Schwarz	375	Do EU funded projects enable collaboration between scientists? The case of R&D in web-based collaborative learning environments

Number 4

C. Angeli	383	Transforming a teacher education method course through technology: effects on preservice teachers' technology competency
C.-M. Chiu, M.-H. Hsu, S.-Y. Sun, T.-C. Lin and P.-C. Sun	399	Usability, quality, value and e-learning continuance decisions

N. Segall, T. L. Doolen and J. D. Porter 417 A usability comparison of PDA-based quizzes and paper-and-pencil quizzes

433 Book reviews